

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1646	(403/135,138,141,143).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2011/01/11 11:49
S1	5061	ball adj joint same housing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/22 08:47
S2	24	ball adj joint same housing same close same open adj end	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/19 14:21
S3	43	ball adj joint same housing same lower adj bearing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/19 15:23
S4	4	((("5564853") or ("5997208") or ("3220755"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/19 15:28
S5	1781	((403/135) or (403/122) or (403/132) or (403/134) or (403/138)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/06 10:41
S6	583	S5 and housing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/19 15:29
S7	455	S6 and bearing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/19 15:30
S8	21	S6 and metal adj bearing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/19 15:34
S9	20	S8 and ball	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/19 15:31
S10	4	S9 and upper adj bearing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/19 15:32

S11	0	S10 and cover adj plate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/19 15:31
S12	2	S10 and cover	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/19 15:31
S13	326	S5 and shoulder	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/19 15:37
S14	571	S5 and spring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/19 15:37
S15	46	S14 and upper adj bearing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/19 15:43
S16	52	S5 and dust adj cover	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/19 15:46
S17	1027800	S5 and belleville ad washer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/19 15:46
S18	8	S5 and belleville adj washer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/19 15:47
S19	1	("6142713").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/19 17:11
S20	1	("5997208").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/22 08:48
S21	1	("5564853").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/22 10:09
S22	169	stud adj ball same spring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/22 09:03
S23	88	S22 and housing same bearing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/22 09:03

S24	36	stud adj ball same spring same metal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/22 10:59
S25	24	S24 and housing same bearing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/22 09:04
S26	0	S25 and annular adj cover	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/22 09:04
S27	72	stud adj ball same method	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/22 10:50
S28	7	S24 and bearing same split	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/22 10:51
S29	1	S24 and split adj bearing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/22 10:58
S30	0	S25 and split adj bearing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/22 10:58
S31	2	stud adj ball same split adj bearing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/22 10:59
S32	4	joint adj ball same split adj bearing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/22 10:59
S33	1	("3951557").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/23 09:38
S34	17	("3004786" "3128110" "3168339" "3272541" "3290074").PN. OR ("3951557").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/23 10:43
S35	0	("studadjballsamelubricat \$3adjportsameshoulder").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/23 10:44
S36	12	stud adj ball same lubricat\$3 same shoulder	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/23 10:48

S37	0	stud adj ball same lubricat\$3 same shoulder same dust adj cover	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/23 10:46
S38	0	stud adj ball same lubricat\$3 same shoulder and dust adj cover	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/23 10:46
S39	0	stud adj ball same lubrication adj port and shoulder and dust adj port	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/23 10:49
S40	0	stud adj ball same lubrication adj port and shoulder	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/23 10:49
S41	0	stud adj ball same lubrication adj port	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/23 10:49
S42	4	stud adj ball and lubrication adj port	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/23 10:52
S43	168	housing and lubrication adj port	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/23 10:52
S44	76	housing same lubrication adj port	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/23 10:53
S45	1	S44 and joint adj assembly	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/23 10:53
S46	16	S44 and joint	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/23 10:53
S47	118	housing same lubricat\$3 adj port	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/23 10:55

S48	6	S47 and ball adj stud	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/23 10:54
S49	1	("5997208").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/23 15:22
S50	1785	((403/135) or (403/122) or (403/132) or (403/134) or (403/138)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/06 10:41
S51	0	("1andlubricationadjport").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/06 10:41
S52	1	S50 and lubrication adj port	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/06 11:05
S53	197	S50 and lubrication	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/06 11:03
S54	10	S50 and lubrication same port	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/06 11:04
S55	2	S50 and lubricat\$3 adj port	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/06 17:44
S56	4	"6186693"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/06 17:44
S57	1	("6186693").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/06 17:45
S58	1	("6746173").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/06 17:47
S59	1	("6298570").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/06 17:47
S60	12	("2846251" "3245706" "3561800" "3790195" "3945737" "4154544" "5509749" "5597258" "6099192" "6505989").PN. OR ("6676325").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/01 09:01
S61	1657489	stud adj housing same lower bearing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/02 14:34
S62	2	stud adj housing same lower adj bearing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/02 14:35

S63	633	joint same metal adj housing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/02 14:35
S64	7	S63 and lower adj bearing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/02 14:37
S65	231	S63 and bearing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/02 14:39
S66	19	S63 and bearing same split	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/02 14:41
S67	2	S63 and bearing same slit	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/02 14:44
S68	1804	((403/135) or (403/122) or (403/132) or (403/134) or (403/138)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/02 16:06
S69	0	oliveira same orlvaldo	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/02 16:07
S70	4112	oliveira	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/02 16:07
S71	9	oliveira and ball adj joint	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/02 16:07
S72	8100	bearing same split	USPAT	OR	OFF	2006/07/05 09:38
S73	359	joint same bearing same split	USPAT	OR	OFF	2006/07/05 09:38
S74	2	joint same metal adj bearing same split	USPAT	OR	OFF	2006/07/05 09:49
S75	8	("2424455" "3342513" "4016950" "4768895").PN. OR ("5112153").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/05 09:44
S76	3	joint same metal adj bearing same slot	USPAT	OR	OFF	2006/07/05 09:49
S77	566	((403/7) or (403/77) or (403/69)).CCLS.	USPAT; USOCR	OR	OFF	2006/07/05 09:49

S78	24	("1923232" "2182601" "2855665" "3128109" "3128110" "3220755" "3272541" "3498579").PN. OR ("4059361").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/05 10:12
S79	4	S77 and metal adj bearing	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/05 10:24
S80	1	("5772337").PN.	USPAT; USOCR	OR	OFF	2006/07/05 10:24
S81	1	("5635906").PN.	USPAT; USOCR	OR	OFF	2006/07/05 10:25
S82	2	("2635906").PN.	USPAT; USOCR	OR	OFF	2006/07/05 10:42
S83	34	metal adj bearing same split	USPAT	OR	OFF	2006/07/05 11:12
S84	2	("2635906").PN.	USPAT; USOCR	OR	OFF	2006/07/05 11:25
S85	1	("5997208").PN.	USPAT; USOCR	OR	OFF	2006/07/05 12:49
S86	1	("5112153").PN.	USPAT; USOCR	OR	OFF	2006/07/05 12:49
S87	1	("5112153").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/12/11 18:10
S88	3	((("5112153") or ("2635906"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/12/11 18:10
S89	3	((("5112153") or ("2635906"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/12/18 10:44
S90	1247	(403/141-144).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/12/19 11:49
S91	7	("4003667" "4076344" "5435652" "5816731" "5964325" "6250840" "6371682").PN. OR ("6742955").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/19 11:32
S92	47	("0088863" "1044468" "1199048" "1824271" "1872099" "2003539" "2115629" "2396151" "2537552" "2779603" "2883131" "2993717" "3128110" "3337246" "3890052" "3950006" "4129394" "4995755" "5011320" "5085520" "5116159" "5149067" "5154530" "5159742" "5205666" "5435652").PN. OR ("5816731").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/19 11:37
S93	322	S90 and spring	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/19 11:37
S94	15	("2900196" "3934688" "4372621" "4427310" "4662772" "5267805" "5326322" "5509749" "6010272" "6505990" "6530711" "6783136" "6814521" "6866441").PN. OR ("7144182").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/19 11:42
S95	4	S90 and metal adj bearing	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/19 11:50

S96	123	S90 and metal	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/19 11:50
S97	43	S90 and metal same bearing	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/19 11:50
S98	345	jordan same james	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/19 12:00
S99	345	jordan same james	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/19 12:00
S100	15	("2900196" "3934688" "4372621" "4427310" "4662772" "5267805" "5326322" "5509749" "6010272" "6505990" "6530711" "6783136" "6814521" "6866441").PN. OR ("7144182").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/19 12:08
S101	4	((("4076944") or ("3259408") or ("3951557"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/12/19 12:51
S102	174	ball adj joint same lubrication	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/19 13:39
S103	80	ball adj joint same lubrication same bearing	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/19 13:24
S104	3	ball adj joint same lubrication same upper same lower adj bearing	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/19 12:52
S105	1	("5997208").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/12/19 13:26
S106	2	("2635906").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/12/19 13:26
S107	1	("5564853").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/12/19 13:39
S108	3	((("3951557") or ("2635906"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/04/20 16:38
S109	20476	lower adj bearing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/20 16:54
S110	18643	upper adj bearing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/20 16:55

S111	10829	S109 and S110	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/20 16:54
S112	642	upper adj bearing same split	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/20 16:55
S113	402	S109 and S112	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/20 17:05
S114	38	S113 and cover adj plate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/20 16:56
S115	22	S114 and lubrica\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/20 16:57
S116	88	S113 and joint	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/20 16:57
S117	1126	ball adj joint and lubrication	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/20 17:17
S118	6	((("4511277") or ("4537524") or ("0457789") or ("5395176") or ("5630672"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/04/20 17:19
S119	13	((("4511277") or ("4372621") or ("5326178") or ("5961219") or ("2931477") or ("3226141") or ("6164829") or ("4591276") or ("2900196"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/04/20 17:21
S120	8181	ball adj socket same spring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/20 17:28

S123	9	metal adj lower adj bearing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/23 13:28
S124	8110	metal adj bearing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/23 12:58
S125	2233	metal same lower adj bearing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/23 12:59
S126	53	S125 and ball adj joint	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/23 14:38
S127	395	S125 and socket	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/23 13:14
S128	189	S125 and socket same spring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/23 13:23
S129	402	S125 and housing same spring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/23 13:23
S130	56	ball adj joint same metal adj bearing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/23 13:29
S131	8110	metal adj bearing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/23 14:38
S132	102	S131 and ball adj joint	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/23 14:54

S133	3	("2553743").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/04/23 15:03
S134	1	("5772337").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/04/23 15:03
S135	2	("2635906").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/04/23 15:42
S136	1	("5997208").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/04/23 15:42
S137	5	((("5772337") or ("2507087") or ("2635906"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/08/07 18:58
S138	1	("4690382").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/08/08 12:19
S139	2	("0359520").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/08/08 12:31
S140	1	("5887834").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/08/08 12:32
S141	4	((("2635906") or ("3128110"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/08/09 12:26
S142	661	((384/206) or (384/208) or (384/209) or (384/210)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/08/09 12:30
S143	64	S142 and split	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/09 12:44
S144	1	("5772337").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/08/09 12:44
S145	0	seller same roger	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/20 17:45
S146	13	sellers same roger	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/20 17:45
S147	2	("2635906").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/08/22 08:46
S148	0	("bearingsamechamfered").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/08/22 08:46

S149	5966	bearing same chamfered	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/22 08:47
S150	19	ball adj joint same bearing same chamfered	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/22 08:55
S151	15	socket adj joint same bearing same chamfered	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/22 08:57
S152	426	joint same bearing same chamfered	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/22 09:05
S153	1	("5772337").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/08/22 09:09
S154	582	cover adj plate same chamfered	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/22 09:09
S155	0	ball adj joint same cover adj plate same chamfered	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/22 09:09
S156	39	joint same cover adj plate same chamfered	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/22 10:28
S157	1	("6823635").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/08/22 11:57
S158	1	("6536178").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/08/22 11:58
S159	1	("5564853").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/08/22 16:50

S160	210177	cover adj plate chamfered	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/22 16:51
S161	69079	ball adj joint same cover adj plate chamfered	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/22 16:51
S162	0	ball adj joint same cover adj plate same chamfered	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/22 16:51
S163	5	ball adj joint and cover adj plate same chamfered	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/22 16:54
S164	94	joint and cover adj plate same chamfered	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/22 17:00
S165	582	cover adj plate same chamfered	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/22 16:56
S166	1	("5564853").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/08/22 17:08
S167	2	("2635906").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/08/22 17:10
S168	124	chamfered adj inner adj surface	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/22 17:14
S169	0	ball adj joint same chamfered adj inner adj surface	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/22 17:11

S170	10	joint same chamfered adj inner adj surface	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/22 17:11
S171	2488	socket same chamfered	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/22 17:14
S172	44	socket adj joint same chamfered	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/22 17:14
S173	1	("5116159").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/08/22 17:44
S174	4	((("2635906") or ("3128110"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/02/05 09:39
S175	4	((("2635906") or ("3128110"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/02/05 09:53
S176	4	((("2635906") or ("3128110"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/06/10 14:36
S177	1	("5116159").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/06/10 15:34
S178	1	("5564853").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2009/03/24 09:15
S179	8610	metal adj bearing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/24 09:18
S180	108	S179 and ball adj joint	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/24 09:19
S181	267746	donald gaines	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/24 09:31

S182	57	donald same gaines	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/24 09:31
S183	1	("5564853").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2009/03/24 09:47
S184	108	ball adj joint and metal adj bearing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/15 14:34
S185	36	("2878046" "3218383" "3626566" "3656221" "3904300" "4003667" "4353660" "4355543" "4504166" "4639159" "4875794" "5011321" "5066159" "5066160" "5154530" "5188477" "5284398" "5286131" "5395176" "5464296" "5496125" "5551791" "5564853" "5597258" "5655848" "5672023" "5772337" "5772352").PN. OR ("6010271").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/15 14:35
S186	152	ball adj socket and metal adj bearing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/15 14:45
S187	602	socket and metal adj bearing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/15 14:55
S188	319	ball and (socket and metal adj bearing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/15 14:55
S189	19	("2973980" "3226141" "3411815" "4101228" "4318627" "4353660" "4430016" "4995755" "5067841" "5564853" "5772337").PN. OR ("6042293").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/15 15:03
S190	2	("2635906").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2009/07/15 16:10
S191	2798	split adj bearing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 10:49
S192	52	S191 and ball adj joint	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/29 10:49

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